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IN THE CLAIMS

1. (currently amended) Assemblages of particles of a magnetic alloy represented by the formula [T_xM_{1-x}] containing T and M in a composition ratio where X in the formula is in the range from 0.3 or greater to 0.7 or less, where T is one or two members of the group consisting of Fe and Co and M is one or two members of the group consisting of Pt and Pd, and metallic elements other than T and M that constitute no more than 30 at. % ' (including 0 at. %) of (T+M) as a percentage of atoms, and the remainder consists of impurities that are unavoidable from a production standpoint, wherein: said assemblages of magnetic alloy particles are such that:

- A. the face-centered tetragonal fraction is 10-100%,
- B. the average grain size as measured by TEM observation (D_{TEM}) is in the range from 5-30 nm,
- C. the x-ray crystal grain size derived by x-ray diffraction (D_X) is no less than 4 nm,
- D. the particles of the size D_{TEM} above are dispersed from each other at a distance, and
- E. 95 or more out of 100 particles satisfy the conditions of Equation(1) below, and Equation (2) is also satisfied;

$$0.90X_{av} \le X_1, X_2, \dots X_{100} \le 1.10X_{av}$$
 (1) standard deviation sigma of $X_1, X_2, \dots X_{100} \le 20\%$ (2)

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here, X_{av} represents the value of X in the composition formula $[T_XM_{1-X}]$ as actually measured in the assemblage of particles (the value of X in the average composition of the particle assemblage), and $X_1, X_2, \ldots, X_{100}$ represent the values of X in the composition formula measured in individual particles in TEM-EDX measurement of the assemblages, for each of 100 particles X_n selected arbitrarily when 1000 particles are in the field of view of measurement, wherein each particle has fluidity in the state of being dispersed at a distance from each other.

2. canceled

- 3. (original) Assemblages of magnetic alloy particles according to claim 1, wherein each particle has its position fixed in the state of being dispersed at a distance from each other.
- 4. (original) Assemblages of magnetic alloy particles according to claim 1, wherein the surface of each particle is coated with a surfactant.
- 5. (original) Metallic magnetic powder according to claim 1, wherein at least one type of coupling agent selected from the group consisting of a silane coupling agent, titanate coupling agent and an aluminate coupling agent is existed among the individual particles.

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- 6. (original) Assemblages of magnetic alloy particles according to claim 1, wherein the x-ray crystal grain size (D_X) is 6 nm or greater and the coercivity (Hc) is 1000 Oe or greater.
- 7. (original) Assemblages of magnetic alloy particles according to claim 1, wherein the metallic elements other than T and M are at least one element selected from the group consisting of the Z components defined below; Z components: Ag, Cu, Sb, Bi and Pb.
- 8. (original) Assemblages of magnetic alloy particles according to claim 1, wherein the metallic elements other than T and M are at least one element selected from the group consisting of the N components defined below; N components: Au, Ru, Rh, Os and Ir.
- 9. (original) Assemblages of magnetic alloy particles according to claim 1, wherein the particles are dispersed at roughly equal distances of at least 1 nm from each other.